



TRANSATLANTIC ISO 10303 AP239 Product Life Cycle Support Land Systems Breakout Group

Feb. 15-16, 2006





Breakout Group Support Teams

	<u>Aviation</u>	<u>Land</u>	<u>Sea</u>
Facilitator	Lord	Iyer	Leibrandt
Technical 1	Eyers	Powell	Kaufmann
Technical 2	Bodington	Shaw	Mason
Scribe	Clark	Piper	Ford





Discussion

- Coordinate PDM with PLCS
- PDM Schema is well supported by vendors:
 - CAD
 - PLM
 - ERP
- Implementation of PLCS complex due to large number of organizations involved:
 - Example: HMMWV
 1. 12 contractors
 2. 65 Models of HMMWV
 3. LSAR
- Use PLCS Master Data Model Integration Layer as SPOE to Map DEXes to:
 1. As Designed – Acquisition Engineering PLM
 2. As Built – SALE Logistics/Sustainment PLM
 3. As Maintained – DLA (Business Systems Modernization) Consumables





Discussion

- Pilot Scenarios
 - HMMWV
 - USMC Maintenance Depot - Albany, GA
 - JSF - SPOE
- Army has two separate maintenance files
 - Aviation
 - Ground
- Use of bridge systems from legacy to future ERP discouraged
- US Military has 6000 legacy systems
 - Marine Corps has 1200 systems to be re-engineered
 - Transition requires transition systems: MMDF is a data migration system





Discussion

- Reviewed 3 Case Studies
 - Volvo Engines
 - 40 % of parts returned
 - 90% of returned parts were correct.
 - BAE
 - Contract requirement - Swedish products transferred to Swiss maintenance
 - Process work requests in Swiss maintenance facilities
 - Swedish Defence
 - Improve spare parts optimisation
 - Predict spare demand





Discussion

- SPOE for JSF
- SPOE is single portal of entry
- Contractor building ILS, then many interfaces are required.
- Pilot project demonstrated concept of UID, then transferred to production.
- Concept is to make data available across enterprise using PLCS
- SPOE is gateway for implementing PLCS.
- Want DoD to be subset of International stds.
- Pilot project is complete, was done in sand box environment.
- Norwegian MOD is doing project on JSF.





Action Items

- Army to collaborate on E-Log book with Air Force and Navy
 - Schema
 - Lessons learned
- Form a PLCS Special Interest Group on Warranty
 - Identify warranty information in registry
 - Recommend members from Land Group





Action Items

- Extend PLCS to address additional Lifecycle opportunities
- View of current DEX development
- Development requires:
 - Coordination between different country defense organizations
 - Additional funding
- Action Items:
 - Nigel to get list of existing DEXes and their community of interest
 - Industry developed DEXes need to be put on OASIS Website.





Action Items

- Increase PLCS awareness through education
- Increase understanding of OASIS
- Define Roles of:
 - Business
 - Technical Reviewers
- Identify requirements to assure Data Quality
- Need ERP Vendors (SAP, Oracle, ETC.) to support PLCS in their product development
- Investigate security requirements

